

## ABSTRACT OF THE DISCLOSURE

A system and methods are provided for the therapeutic treatment of brain-  
5 plaques, fibrils, abnormal-protein related or aggregation-prone protein related deposi-  
tion-diseases. The system employs acoustic exposure therapy means for delivering  
therapeutic energy to at least one brain region. The therapy supports at least one of the  
following processes: (i) physical breakup, erosion, disentanglement, de-aggregation,  
dissolution, de-agglomeration, de-amalgamation or permeation of the deposits, (ii) in-  
10 terference in at least one deposit formation process, deposition related chemical reac-  
tion or biological or genetic pathway contributing to the deposits or deposition-related  
processes, and (iii) aiding the recovery, growth, regrowth or improved functionality of  
brain-related cells or functional pathways negatively impacted by, stressed by or dis-  
posed to the deposits, deposition-processes or deposition disease state, or supporting  
15 the growth of newly transplanted cells anywhere in the brain-related anatomy. The  
system and methods treat Alzheimer's and other deposition-related disorders of the  
brain, with minimal adverse side effects to the patient and may be used in cooperation  
with a drug.